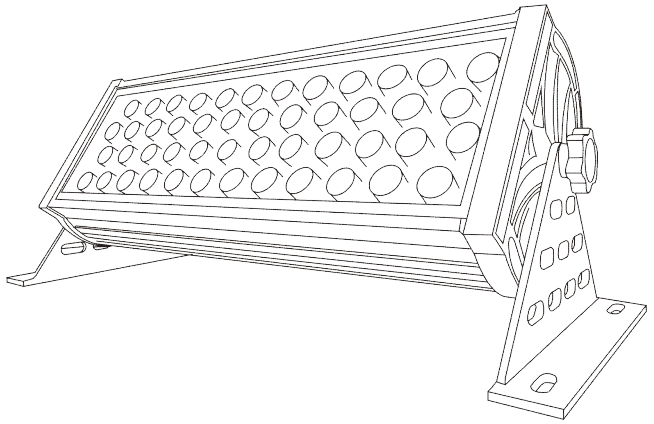
Color IMAGINATION

CE

IP65 LED Wall Washer

W-010



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Unpacking

Thank you for our Color Imagination's IP65 LED Wall Washer. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The IP65 LED Wall Washer is made of a new type of high temperature cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

W-010 adopts 48PCS 3W LED lamps which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

IP65 LED Wall Washer---------- one
User Manual----------one
Power Cable----------one
Signal Cable----------one

10. Maintenance and Cleaning

The following points have to be considered during the inspection:

1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.

2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).

3）Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

4）The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2) Clean the fan each week.
3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under “Installation instructions”.

Should you need any spare parts, please order genuine parts from your local dealer.

		160-167	R 100% G75% B100%
		168-175	R 100% G 100% B 100%
		176-183	R 100% G 100% B 25%
		184-191	R 100% G 100% B 50%
		192-199	R 100% G 100% B 75%
		200-207	R 100% G 100% B 100%
		208-215	R 20% G 100% B 100%
		216-223	R 40% G 100% B 100%
		224-231	R 60% G 100% B 100%
		232-239	R 80% G 100% B 100%
		240-247	R 20% G 100% B 100%
		248-255	R 50% G 50% B 50%

8. Technical Specifications

Input Voltage: AC 90-260V/50-60HZ

LED Quantities: 16 red/ 16 green/ 16 blue (3W)

Control Signal: DMX512

Control Channel: 8CH

Power Consumption: 144W

Gross Weight: 9kg

Shipping Dimension: 530*230*200mm

9. Key Features

48*3W red, green and blue LEDs

Colors optional for customers, single color or RGB

LED RGB technology with 256 degree gray scale function

Synchronous effect through intelligent controller

DMX controller controllable

8 DMX channels

Digital IP address together with built-in fixed program for synchronization and self-link

Light angle and position adjustable for optimal lighting effect

Applicable for both indoor and outdoor like stage, bar, nightclub, courtyard, architectural, theme park, etc. (Protection rating: IP 56)

2. Safety Instructions

CAUTION!
Be careful with your operations.With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it.

Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

3. Operation Instructions

-The light is an LED wash light for onsite decoration purpose.

-Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

-This light should be keep away from strong shaking during any transportation or movement.

-Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

-Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

-Make sure the installation place is in good safety condition before installing the fixture.

-Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

-Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

-Make sure the fixture is operated by qualified personnel who knows the fixture before using.

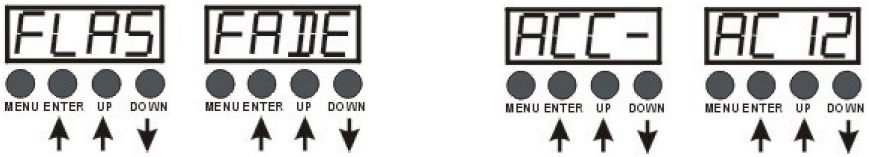
-Keep the original packages if any second shipment is needed.

-Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.

-It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

7.DMX Channels

Channel	Function	Value	Description
1	Dimmer	0-255	0-100% Linear Dimmer
2	Red	0-255	0-100% Red Dimmer
3	Green	0-255	0-100% Green Dimmer
4	Blue	0-255	0-100% Blue Dimmer
5	Strobe	0-255	Strobe effect from slow to fast, speed adjustable
6	Preset Program	0-127	Blackout
		128-255	Fade in fade out: CH6 to adjust the speed
7	Preset Program	0-127	Blackout
		128-191	Color Chasing: CH6 to adjust the speed
		192-255	Color Chasing：Random speed unadjustable
8	Color Macro	0-007	OFF
		008-015	R 100% G 20% B
		016-023	R 100% G 40% B
		024-031	R 100% G 60% B
		032-039	R 100% G 80% B
		040-047	R 100% G 100% B
		048-055	R G 100% B
		056-063	R G 100% B 20%
		064-071	R G 100% B 40%
		072-079	R G 100% B 60%
		080-087	R G 100% B 80%
		088-103	R G B 100%
		104-111	R 20% G B 100%
		112-119	R 40% G B 100%
		120-127	R 60% G B 100%
		128-135	R 80% G B100%
		136-143	R 100% G B 100%
		144-151	R 100% G 25% B 100%
		152-159	R 100% G 50% B 100%



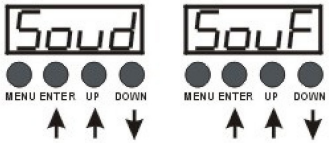
Sound Operation

Press the MENU button until it shows one of the following：

- SOUF: Sound-active effect（mode 1）
- SOUD: Sound-active effect（mode 2）

Press UP or DOWN button to select.

Press Enter button to save or press MENU button to exit.

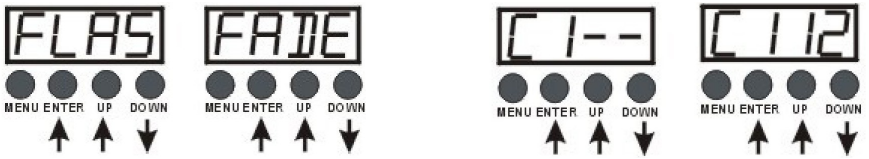


Manual Operation

Press the MENU button until it shows C1-C4 in the display. C1-C4 means Red, Green, Blue respectively.

Press UP or DOWN button to select C1, C2, C3 or C4. Press the ENTER button, the last two digits in the display will show 00-12. This is the level of the manual dimmer.

Press ENTER button to save or press MENU button to exit.



4. Mounting and Installation

-Please keep the fixture away from inflammable materials at least 0.5 meters.

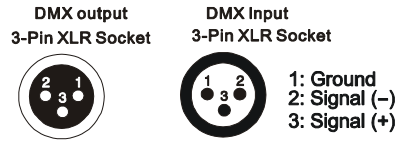
WARNING: Use the hooks to fix at the handle of the fixture. and make sure the place where you install the fixture is in safe conditions; and make sure it can stand ten times weight as the fixture. Then test it for at least one hour to see whether it is fine.

-You'd better add second protection to avoid the lose of the spare parts.

Please fix the fixture with the safety chain during installation which has to bear at least the weight ten times as the light.

5. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple wall washers together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.



Building A Serial DMX Chain： Connect the DMX output of the 1st device in the DMX chain with the DMX input of the next device. Always connect one output with the input of the next until all devices are connected.

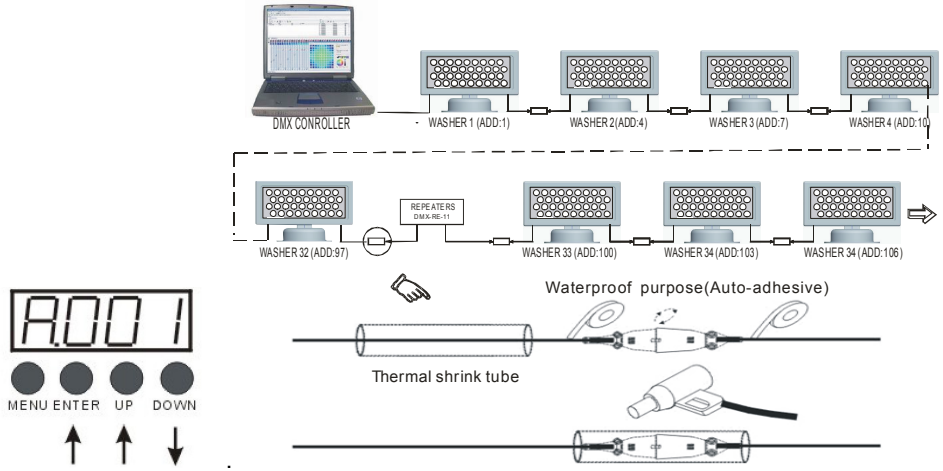
DMX Start Address Setting

This device has 8 DMX channels. If you set, for example, the start address to channel 1, the device will use the channels # 1st to 8th for control. The first available channel for the next fixture will be the 9th.

Please be sure that you do not have any overlapping channels in order to control each device correctly and independently from any other fixture on the DMX chain. If

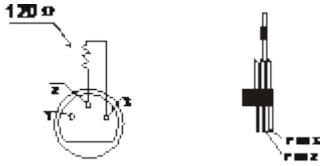
two, three or more devices are addressed similarly, they will work similarly.

Press the menu button until it shows AXXX in the display. XXX is the address you se last time. Press UP or DOWN button to select your desired address, etc, A001. Press ENTER button to save or press MENU button to exit.



DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



Power Cable joint (at most 4pcs), Signal joint (at most 30pcs), XL-3R, at first, use the high voltage and waterproof adhesive tape with mucosa to enlace the joint one circle. After stretch the adhesive tape, then you can enlace it, please reference the operation describe.), then cover a 20mm cannula with pyrocondensation.

At last, envelop the joint to reach a waterproof effect.

Warning: If this joint can't don't' do the waterproof manage, Then the amp waterproof will be invalid, and then destroy the product.

Notice: In order to avoid overloading the power supply, the power cord for each power supply series with light can not be more than 4pcs.

6. Operations

Auto Operation

Press the MENU button until it shows one of the following：

- FLAS: strobe effect
- FADER: fade in and fade out effect
- ASC-: automatic color change effect

Press UP or DOWN button to select one of them,

the device will be operated automatically with built-in programs

Press ENTER button, the last two digits in the display will show 00-12. This is the speed or different built-in programs.

Press UP or DOWN button to select.

Press ENTER button to save or press MENU button to exit